

ABSTRACT

A purification method of a metal salt which comprises bringing a metal salt formed by melting an alkali metal salt, an alkaline earth metal salt or a mixture thereof into contact with titanium or the like, thereby adsorbing impurities in the metal salt, a deoxidization method by melting metallic calcium into a molten product of the metal salt purified by the purification method and bringing the same into contact with a titanium material, and a production method of the titanium material which comprises conducting molten salt electrolysis by using the molten product of the purified metal salt for an electrolytic bath. Using the purification or production method, the molten metal salt can be purified simply and conveniently at good efficiency. Then, use of the purified metal salt can minimize contamination caused by the metal impurities in the molten salt and the titanium material of high quality can be produced.